

What is Claimed is:

1. A reciprocating electromagnetic micro-pump, particularly for small electrical appliances, comprising
5 a hollow body defining a cavity and having a water inlet fitting, an electrical excitation winding surrounding said hollow body, a core of ferromagnetic material movable in reciprocating fashion in said cavity and co-operating with said electrical excitation winding, a
10 pumping chamber, an outlet fitting, and a one-way delivery valve connecting said a pumping chamber to said outlet fitting, said core bearing a tubular piston with associated intake valve, said tubular piston being sealingly slidable within said pumping chamber, and
15 further including a tubular element defining said pumping chamber and being axially movable, against the action of elastic contrast means, between an advanced position of normal operation of the pump and a retracted position in which said outlet fitting is placed in communication with
20 an inner volume of the pump in turn communicating with said inlet fitting, for the absorption of any overpressures.

2. Reciprocating electromagnetic micro-pump as claimed in claim 1, wherein said inner volume comprises
25 said cavity of said hollow body.

3. Reciprocating electromagnetic micro-pump as claimed in claim 1, in which said one-way delivery valve comprises an obturator member co-operating, under the action of an elastic thrust member, with an annular valve
30 seat, wherein said annular valve seat is movable with said tubular element defining said pumping chamber.

4. Reciprocating electromagnetic micro-pump as claimed in claim 3, wherein said annular valve seat is

formed by one end of said tubular element oriented towards said outlet fitting.